

DAILY ONLINE ACTIVITIES SUMMARY

Date:	29/05/2020	Name:	Shetty Sonali Sanjeeva
Sem & Sec	8 th B	USN:	4AL16CS123
Online Test Summary			
Subject	BDA		
Max. Marks	30	Score	21
Certification Course Summary			
Course	Entrepreneurship		
Certificate Provider	CISCO Networking Academy	Duration	5 hours
Coding Challenges			
Problem Statement – Write a C Program to sort an array of integers in ascending order and display the sorted array and Number of passes performed for sorting.			
Status: Solved			
Uploaded the report in Github		yes	
If yes Repository name		SONALISHETTY	
Uploaded the report in slack		yes	

Online Test Details:



Hi Shetty Sonali,

You have scored **21 marks** in **Round 1**.

[See Assessment](#)

About The Assessment



CSE_BDA_4

Round 1 ends on: 29 May,
2020

Warm Regards,
TechGig Team

Certification Course Details:



Certificate of Course Completion

Cisco Networking Academy

Entrepreneurship

For completing the Cisco Networking Academy® Entrepreneurship course, and demonstrating the ability to do the following:

- Identify entrepreneurial and transferable job skills that provide value in the marketplace.
- Explain common business and marketing terms.
- Develop a simple business plan.
- Explain the social, legal, and ethical responsibilities of an entrepreneur.
- Analyze business opportunities for a given location and market.
- Explain the role, structure and process for obtaining outsourced services in business.
- Identify, create and expand a business structure.
- Use of social network and media tools to grow business.
- Explain business metrics and financial management.

Shetty Sonali

Student

ICT Academy

Academy Name

India

Location

13 May 2020

Date

Saravanan Gurusamy

Instructor

Instructor Signature

Coding Challenges Details:

In Bubble sort, each pass consists of comparison each element in the file with its successor (i.e. x[i] with x[i+1]) and interchanging two elements if they are not in the proper order. The array may be sorted in any pass. If the array is sorted, then remaining passes should be skipped off. Write a C Program to sort an array of integers in ascending order and display the sorted array and Number of passes performed for sorting.

```
#include <stdio.h>
void swap(int *xp, int *yp)
{
    int temp = *xp;
    *xp = *yp;
    *yp = temp;
}
int bubbleSort(int arr[], int n)
{
    int i, j, count=0;
    int swapped;
    for (i = 0; i < n-1; i++)
    {
        swapped = 0;
        for (j = 0; j < n-i-1; j++)
        {
            if (arr[j] > arr[j+1])
            {
                swap(&arr[j], &arr[j+1]);
                swapped = 1; count++;
            }
        }
        if (swapped == 0)
            break;
    }
    return count;
}
```

```
void printArray(int arr[], int size)
{
int i;
for (i=0; i < size; i++)
    printf("%d ", arr[i]);
printf("\n");
}

int main()
{
    int arr[50],num;
    printf("enter the number of elements");
    scanf("%d",&num);
    printf("enter the elements");
    for(int i=0;i<num;i++)
    {
        scanf("%d",&arr[i]);
    }
    int c=bubbleSort(arr, num);
    printf("Sorted array: \n");
    printArray(arr, num);
    printf("Number of passes:%d\n",c);
    return 0;
}
```